A Rolls-Royce solution

# Contents

| | Genset | Marine | O & G | Rail | C & I |
|---|---|---|---|---|---|
| Application | X | | | | |
| Engine model | 20V4000G94F | | | | |

[redacted]

ROLLS ROYCE

mtu A Rolls-Royce solution

[redacted]

ROLLS ROYCE

mtu A Rolls-Royce solution

[redacted]

ROLLS ROYCE

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[redacted]

| | | | | | | |
|---|---|---|---|---|---|---|
| NOX-Emissions (based on 5% O2) | mg/m3N | 2306 | 1865 | 1624 | 1429 | 2350 |
| | ppmV | 1220 | 986 | 861 | 759 | 1248 |
| CO-Emissions (based on 5% O2) | mg/m3N | 81 | 98 | 365 | 418 | 803 |
| CO2-Emissions (based on 5% O2) | mg/m3N | 223679 | 223479 | 222718 | 222190 | 217876 |
| HC1-Emissions (based on 5% O2) | mg/m3N | 24 | 27 | 32 | 56 | 210 |
| NMHC-Emissions (based on 5% O2) | mg/m3N | 24 | 26 | 32 | 54 | 206 |
| NOX+HC1-Emissions (based on 5% O2) | mg/m3N | 2331 | 1891 | 1656 | 1484 | 2560 |
| NOX+NMHC-Emissions (based on 5% O2) | mg/m3N | 2330 | 1891 | 1655 | 1483 | 2556 |
| PM-Emissions (based on 5% O2) | mg/m3N | 6.4 | 7.8 | 29.7 | 42.9 | 15.4 |
| Dry-wet correction factor | [ - ] | 0.929 | 0.936 | 0.938 | 0.946 | 0.963 |
| NO/NO2 ratio | [ - ] | 24.5 | 20.7 | 16 | 9.3 | 6.7 |
| NO2/NO ratio | [ - ] | 0 | 0 | 0.1 | 0.1 | 0.2 |

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## Engine data

| | Genset | Marine | O & G | Rail | C & I |
|---|---|---|---|---|---|
| Application | X | | | | |
| Engine model | 20V4000G94F | | | | |

[redacted]

[redacted]

| | | | | | | |
|---|---|---|---|---|---|---|
| NOX-Emissions (based on 5% O2) | mg/m3N | 2537 | 2424 | 2111 | 2143 | 4464 |
| | ppmV | 1342 | 1282 | 1119 | 1139 | 2372 |
| CO-Emissions (based on 5% O2) | mg/m3N | 138 | 167 | 693 | 836 | 1607 |
| HC1-Emissions (based on 5% O2) | mg/m3N | 41 | 45 | 61 | 111 | 610 |
| NMHC-Emissions (based on 5% O2) | mg/m3N | 41 | 45 | 60 | 109 | |
| NOX+HC1-Emissions (based on 5% O2) | mg/m3N | 2578 | 2469 | 2172 | 2254 | 5075 |
| NOX+NMHC-Emissions (based on 5% O2) | mg/m3N | 2577 | 2468 | 2171 | 2252 | |
| PM-Emissions (based on 5% O2) | mg/m3N | 9.7 | 12.6 | 44.5 | 64.3 | 57 |

[redacted]

# Contents

| | Genset | Marine | O & G | Rail | C & I |
|---|---|---|---|---|---|
| Application | X | | | | |
| Engine model | 16V2000G76F - TD | | | | |

[redacted]

ROLLS ROYCE

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**Engine data**

| | Genset | Marine | O & G | Rail | C & I |
|---|---|---|---|---|---|
| Application | X | | | | |
| Engine model | 16V2000G76F | | | | |

[redacted]

| | | | | | | |
|---|---|---|---|---|---|---|
| NOX-Emissions (based on 5% O2) | mg/m3N | 2003 | 1827 | 1726 | 1713 | 1924 |
| CO2-Emissions (based on 5% O2) | mg/m3N | 229664 | 229531 | 229500 | 228763 | 223834 |
| CO-Emissions (based on 5% O2) | mg/m3N | 117.3 | 137.8 | 208.9 | 409.4 | 636.1 |
| HC1-Emissions (based on 5% O2) | mg/m3N | 29.6 | 49.2 | 72.4 | 168.8 | 238.6 |
| PM-Emissions (based on 5% O2) | mg/m3N | 11.1 | 18.5 | 40.3 | 24 | 66.3 |
| Oxygen (O2) | % | 8.8 | 9.7 | 10.4 | 12.7 | 15.9 |

**Engine data**

| | Genset | Marine | O & G | Rail | C & I |
|---|---|---|---|---|---|
| Application | X | | | | |
| Engine model | 16V2000G76F | | | | |

[redacted]

| | | | | | | |
|---|---|---|---|---|---|---|
| NOX-Emissions (based on 5% O2) | mg/m3N | 2604 | 2376 | 2244 | 2569 | 3655 |
| NOX+HC1-Emissions (based on 5% O2) | mg/m3N | 2655 | 2459 | 2381 | 2906 | 4347 |
| CO-Emissions (based on 5% O2) | mg/m3N | 199.5 | 234.2 | 396.8 | 818.7 | 1272 |
| HC1-Emissions (based on 5% O2) | mg/m3N | 50.3 | 83.6 | 137.5 | 337.6 | 691.8 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| PM-Emissions (based on 5% O2) | mg/m3N | 16.7 | 29.6 | 60.4 | 36 | 245.1 |